

MARDASHEV, S.R.

Microbiological and enzymic methods for quantitative amino-acid assays.
Uspekhi Biol. Khim. 1, 281-306 '50. (MLRA 5:8)
(CA 47 no.14:7019 '53)

MARDASHEV, S. K.

USSR/Medicine - Sarcoma
Chemistry - Biotin

Apr. '49

"The Effect of Biotin on the Inocubility and
Development of Kroeker's Sarcoma," S. M. Mardashev,
B. I. Shomin, First Moscow Med Inst, 4 pp

"Dok Ak Nauk SSSR" Vol LIV, No 5

Studied effect of biotin on inocubility and
development of Kroeker's sarcoma in 220 white mice.
Concluded that biotin affects inocubility of
Krocker's sarcoma, and shortens the time interval
for appearance of the tumor. Problem of inhibiting
action of avidin on inocubility of Krocker's

PA 39/49T85

USSR/Medicine (Contd)

Apr. 49

sarcoma and intensification of the growth of tumors
requires further study. Submitted by Acad A. I.
Oparin, 11 Feb 49.

39/49T85

39/49T85

Enzymic decarboxylation of amino acids. S. R. Mardhev. *Uspekhi Sovremennoi Biol.* (Advances in Modern Biol.) 28, 365-80(1969); cf. C.A. 63, 6284d. Review on the individual decarboxylases and on the entire class of these enzymes. G. M. Kosolapoff

MARDASHEV, S. R.

May/Jun 49

USSR/Medicine - Bacteria, Culture
Mediums
Medicine - Microbiology

"Influence of the pH of the Medium on the Formation of Decarboxylizing Enzymes in Bacteria,
S. R. Mardashev, R. N. Etingof, L. YA. Marmalevskaya, Chair of Microbiol, Moscow State
U, 7 pp

"Mikrobiol" Vol XVIII, No 3

Discusses influence of pH of medium on formation of decarboxylizing enzymes in *Bacterium*
cadaveris, *Streptococcus faecalis*, *Escherichia coli* and *Pseudomycobacterium*. Submitted
17 Dec. 48.

Pa 50/49T64

MARDACHEV, R. S.

USSR/Medicine - Bacteria
Medicine - Enzymes
Mar/Apr 49

"Oxidases of Amino Acids in Certain Decarboxylizing Bacteria," S. R. Mardashov, R. N. Etingof, A. I. Balystaya, Chair of Biochem, First Moscow Med Inst, 6 pp

"Biokhimiya" Vol XIV, No 2

Established that *B. cadaveris*, *E. coli*, and *Pseudomycobacterium* n. sp. possess enzymes which oxidize glutamic and aspartic acids, alpha-alanine, serine, asparagine, and cystine. *Pseudomycobacterium* also has an oxidase of alpha-

41/49T42

USSR/Medicine - Bacteria (Contd) Mar/Apr 49
aminobutyric acid and proline. Submitted 24 Jul 48.

41/49T42

PA 1/49T42

41/49T42

Jan/Feb 49

USSR/Medicine - Biochemistry
Medicine - Aspartic Acid, Effect

"The Process of Decomposition of β -Aspartic Acid Under the Influence of Bacterial Aspartic Acid Decarboxylase," S. R. Mardashov, L. A. Semien, P. H. Karginoff, A. I. Belyusnaya, Chair of Biochem, First Moscow Med Inst, 17 pp

"Biol Kemiya" Vol XIV, No 1

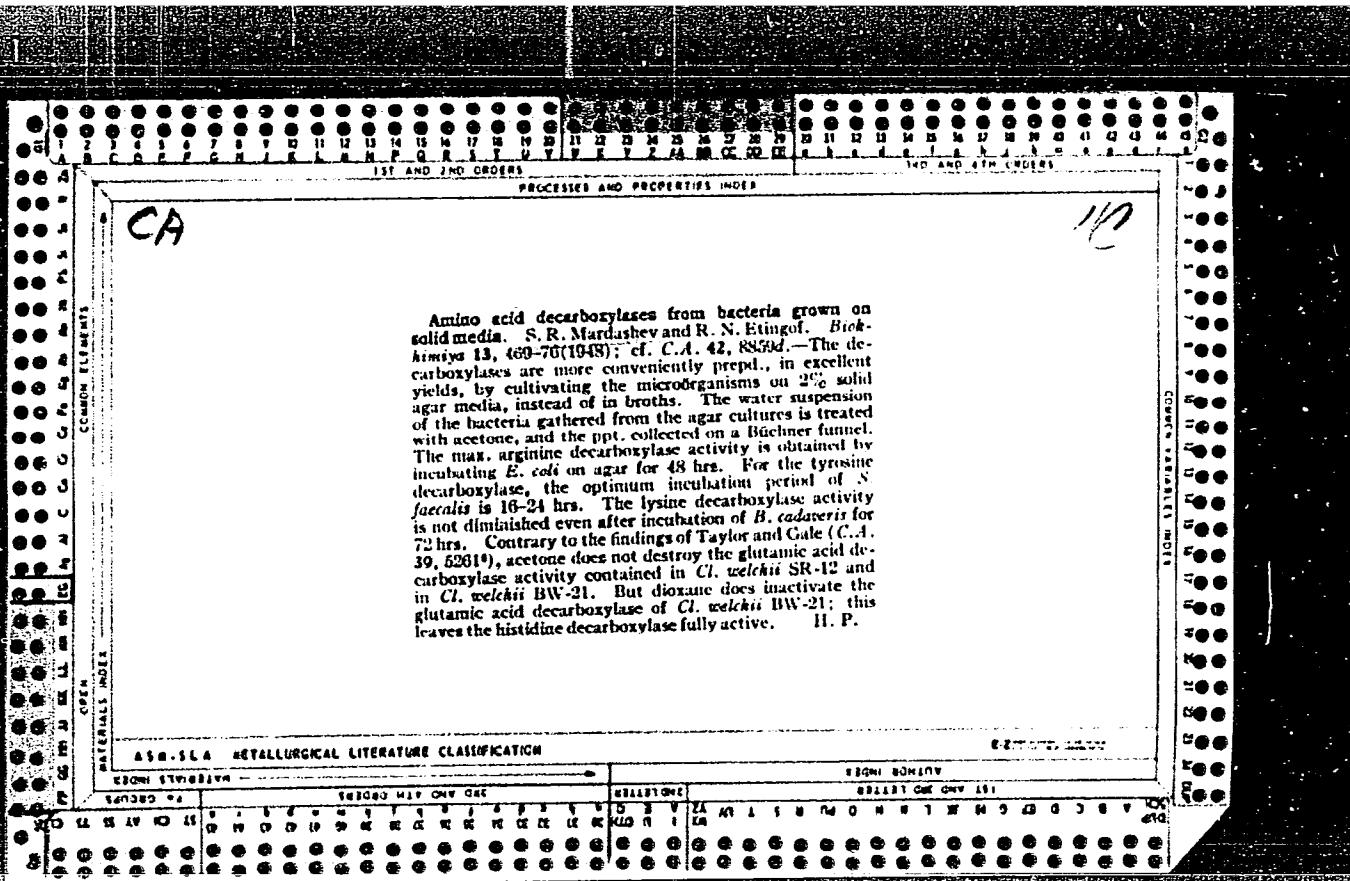
Studies mechanism of decarboxylation of β -aspartic acid under influence of microbacteria isolated in the laboratory. Tried to identify product of the reaction with β -alanine. Determination of 45/49T61.

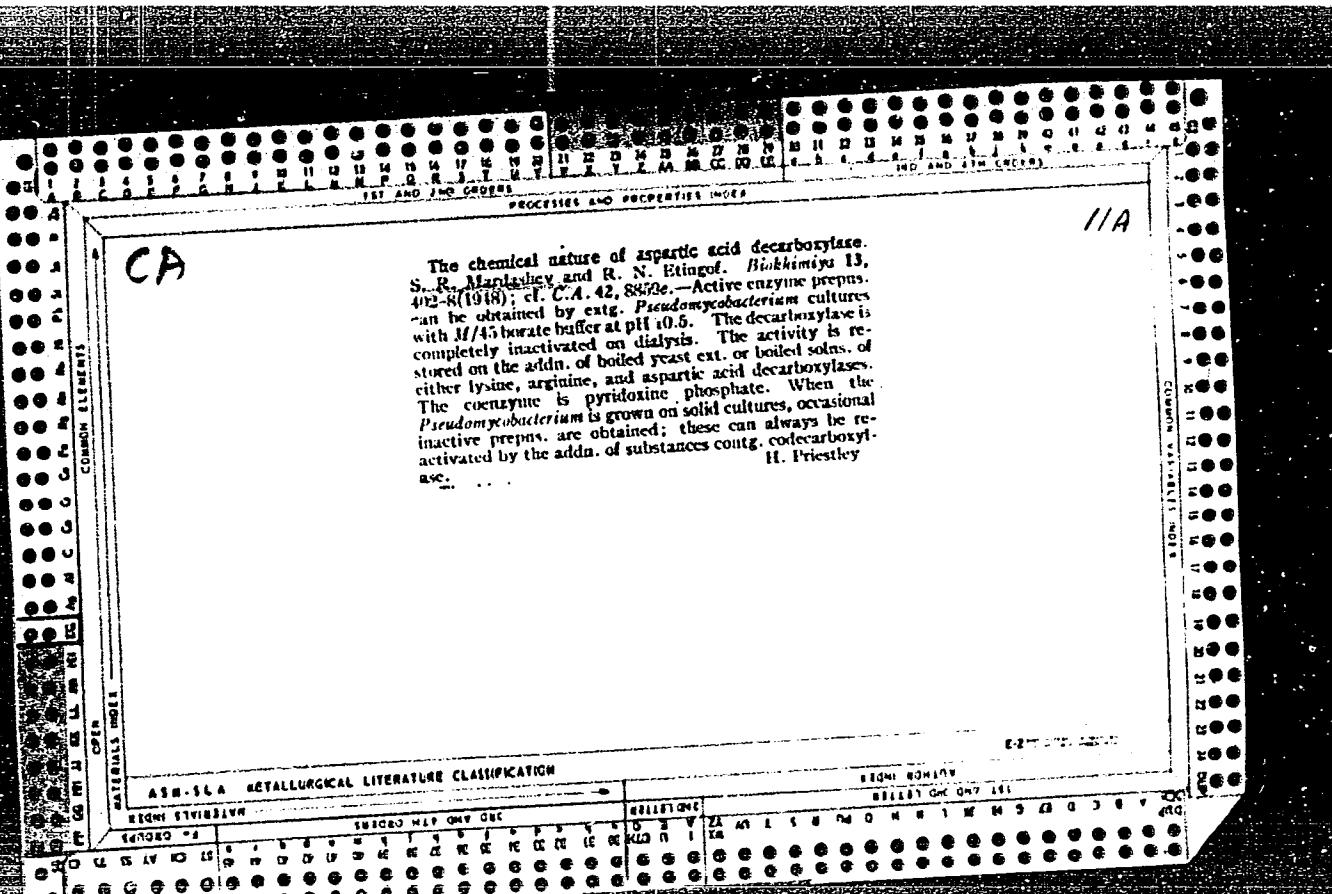
USSR/Medicine - Biochemistry (Contd) Jan/Feb 49

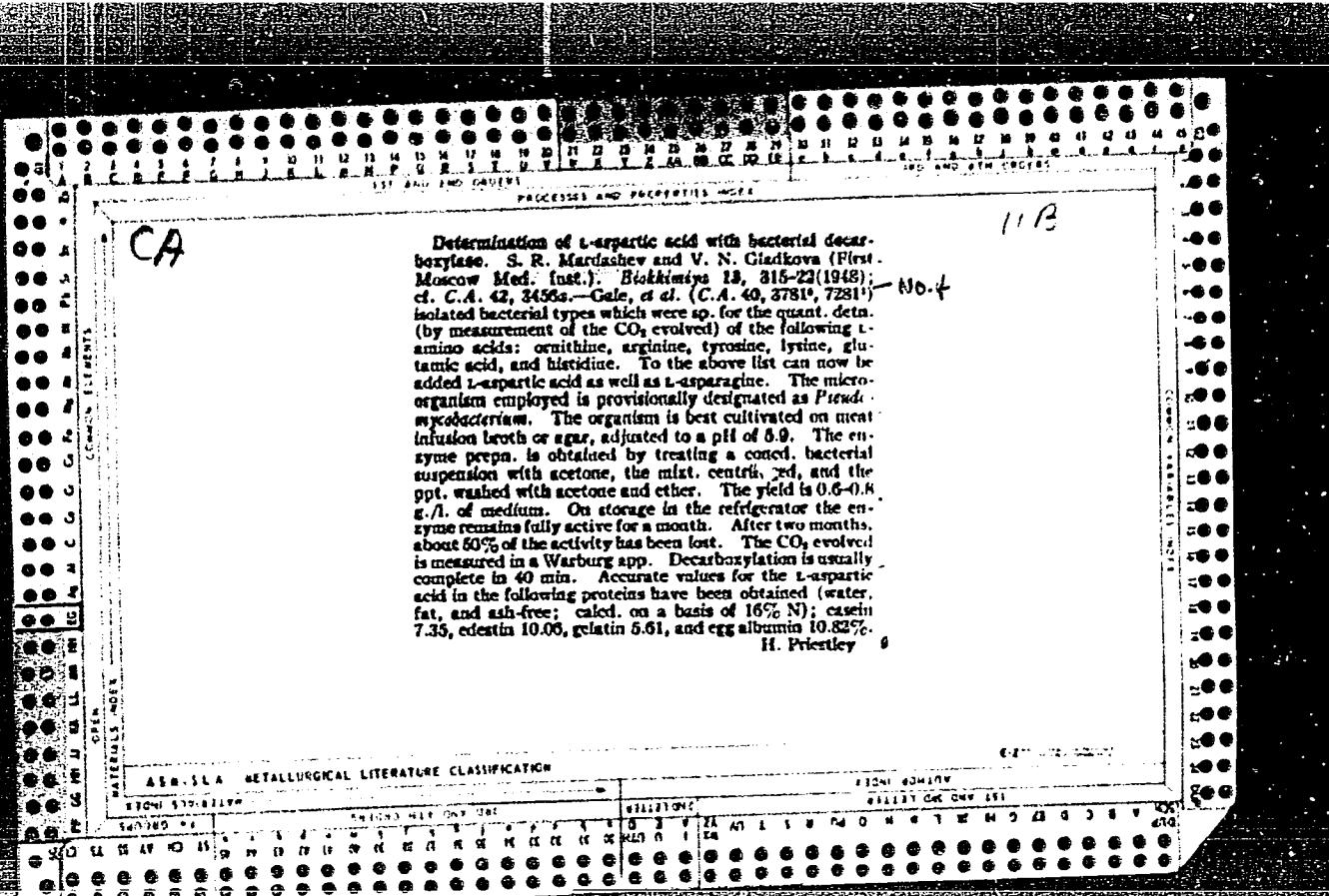
β -alanine by chemical (through acrylic acid) and by microbiological methods (Sacchar. cerevisiae) was unsuccessful. Determination of amine nitrogen by Van Slyke's method showed that decarboxylation product contains amino group and that detection product of aspartic acid is not accompanied carboxylation of α -alanine. Formation of α -alanine was proved by chromatographic method. Submitted 22 Jun 48.

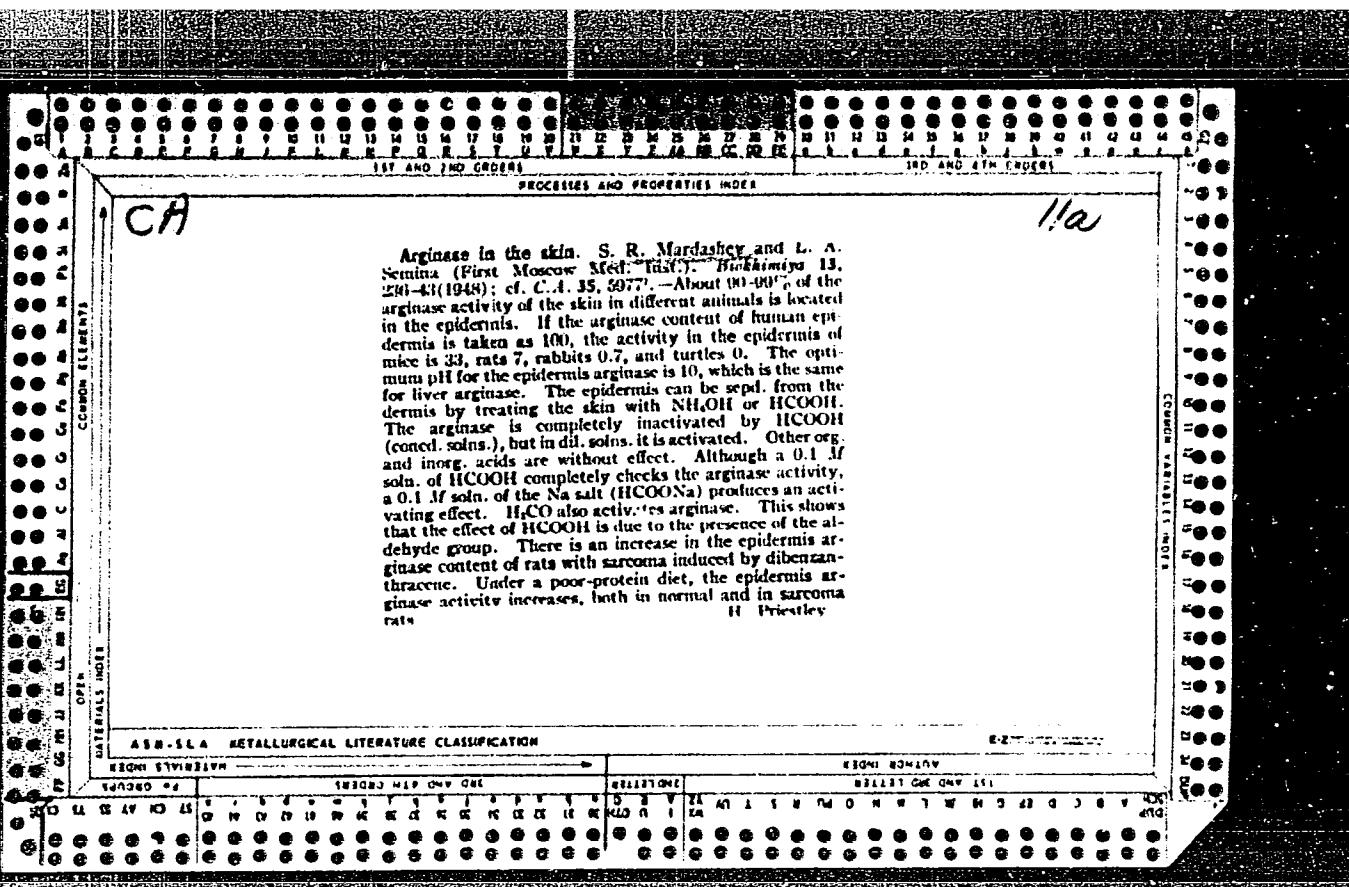
45/49T61

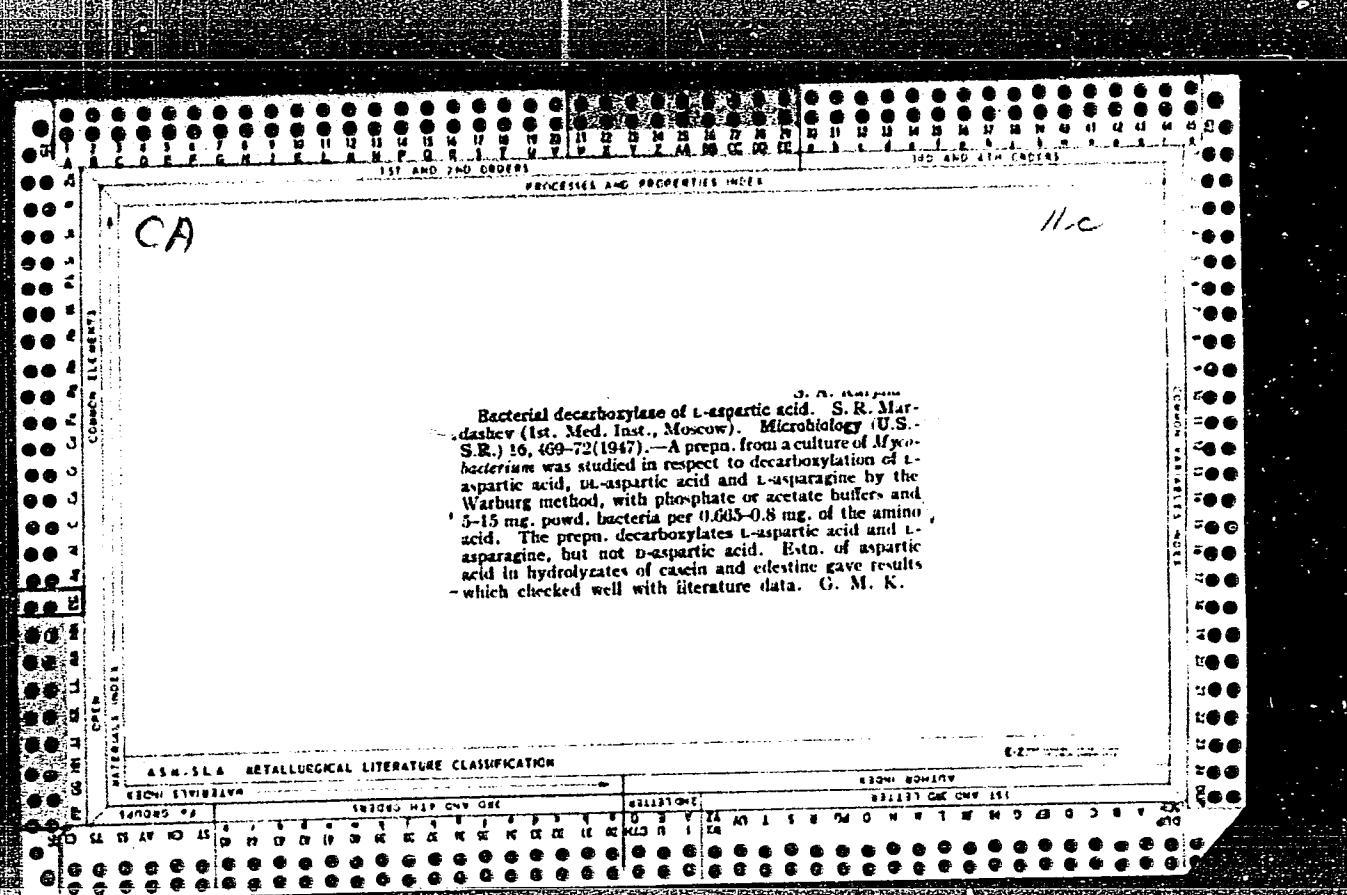
MARDAШOV, S. R.











MARDASHEV, S. R. Prof.

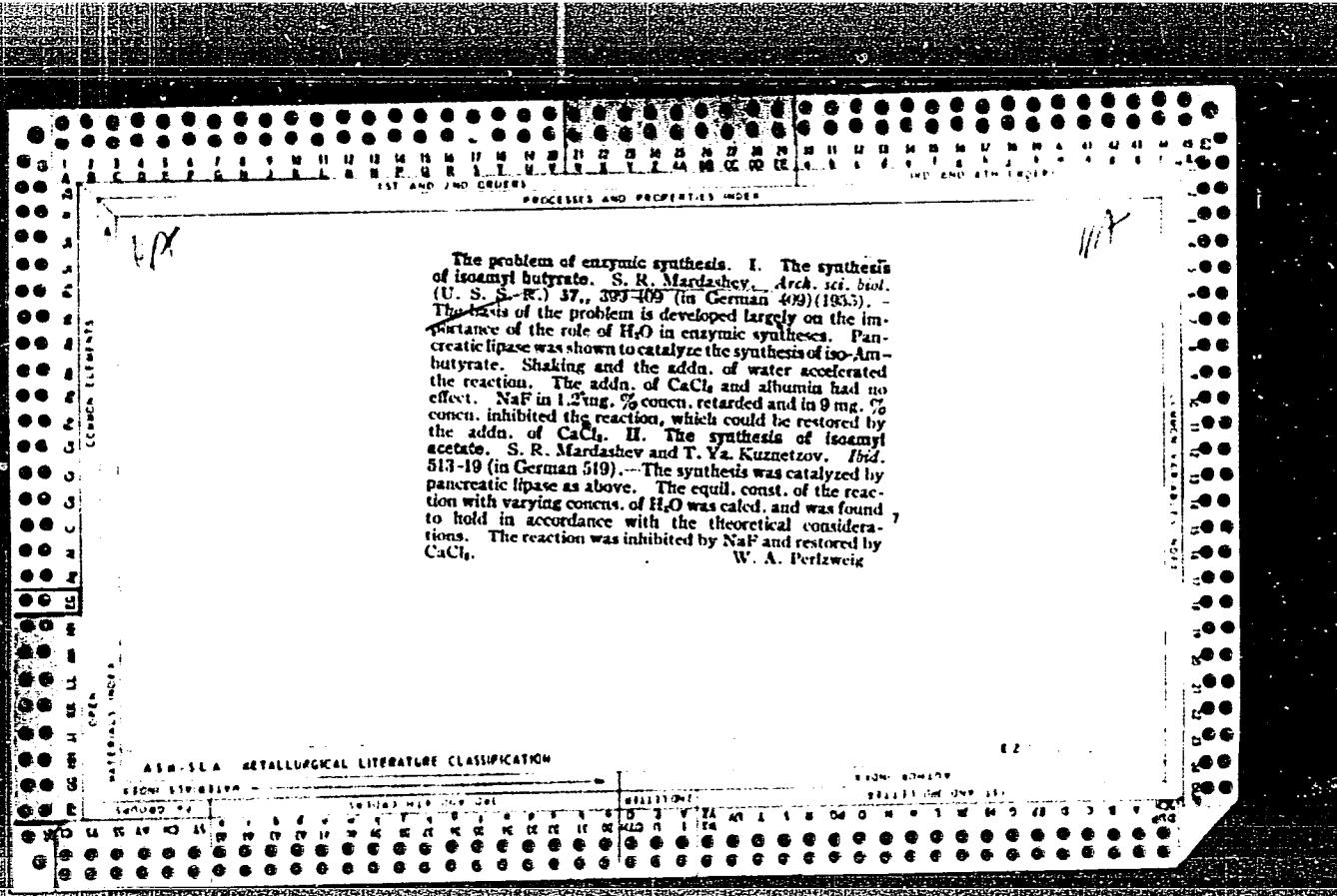
"Amino Acid Content of the Total Proteins of the Skin, Epidermis and Dermis," Biokhim., 12, No.5, 1947

Chair Biochemistry, 1st Moscow Med. Inst.

MARDASHEV, S. R. Prof.

"Amino-Acid Composition of Normal and Pathological Organ- and Tissue-Protein
of Man and Animals," Biokhim., 9, No.4, 1944

Chair Biochemistry, 1st Moscow Med. Inst.



MARDASHEV, S.R., prof.

Contribution of the biological science to medicine. Zdorov'e
9 no.4:1-2 Ap'63. (MIRA 16:7)

L. Vitse president AMN SSSR.
(BIOCHEMISTRY)

MARDAROWICZ, Czeslaw; SZYSZKO, Bozena

A case of postoperative tetanus. Pol. tyg. lek. 20 no.3:110-111
18 Ja '65

1. Z Katedry Mikrobiologii Lekarskiej Akademii Medycznej w Lublinie (Kierownik: prof. dr. J. Parnas) i z Kliniki Chorob Zakaznych Akademii Medycznej w Lublinie (Kierownik: dr. med. J.K. Kucharski).

MARDAROWICZ, Czeslaw; SZYSZKO, Bozena; MALEC, Romana

Some epidemiologic observations on cases of anthrax, treated
at the Clinic of Infectious Diseases of the Lublin Medical
Academy. Wiad. Lek. 18 no.7:565-567 1 Ap '65

1. Z Klinik¹ Cnorob Zakaznych Akademii Medycznej w Lublinie
(Kierownik: dr. med. J.K. Kucharski).

MARDAROWICZ, Czeslaw; MALEC, Romana

Generalized vaccinia. Pol. tyg. lek. 19 no.32:1249-1250
10 Ag '64.

1. Z Kliniki Chorob Zakaznych Akademii Medycznej w Lublinie
(kierownik: dr med. J.K. Kucharski).

MARDAROWICZ, Czeslaw

Hoyt-Morrison reaction in viral hepatitis. Pol. tyg. lek. 19
no.2:52-54 Ja '64.

1. Z Katedry Mikrobiologii Lekarskiej Akademii Medycznej w Lublinie (kierownik: prof. dr J. Parnas) i z Kliniki Chorób Zakaznych Akademii Medycznej w Lublinie (kierownik: dr med. J.K. Kucharski).

MARDAROWICZ, Czeslaw; GAWRONOWA, Helena; SIKORSKA, Jadwiga

Mixed infection with bacteria from the Salmonella and Shigella group. Pol. tyg. lek. 18 no. 51:1933-1934 16 D^o63.

1. Z Kliniki Chorob Zakaznych AM w Lublinie; (kierownik: dr. med. J.K.Kucharski) i z Wojewodzkiej Stacji Sanitarno-Epidemiologicznej w Lublinie (dyrektor: dr. C.Horoch).

*

DMOWSKI, Gustaw; TUSZKIEWICZ, Maria; BEDNARZEWSKI, Janusz;
MARDAROWICZ, Czeslaw.

Experience in the clinical evaluation of the preparation
"Tetracyklinum basicum" (produced by the Tarchomin Pharmaceutical
Plant). Pol. tyg. lek. 18 no.37:1386-1390 9 S '63.

1. Z I Kliniki Chorob Wewnętrznych AM w Lublinie; kierownik:
prof. dr med. Mieczysław Kdra i z Katedry Mikrobiologii
Lekarskiej AM w Lublinie; kierownik: prof. dr Józef Parnas.
(TETRACYCLINE) (BRONCHOPNEUMONIA) (PNEUMONIA)
(LUNG ABSCESS) (BRONCHITIS)
(ENDOCARDITIS, SUPACUTE BACTERIAL)
(FURUNCULOSIS) (SEPTICEMIA) (PYELOCYSTITIS)

TOP SECRET

MARSHAL INC., Cleveland, Ohio, and Standard Oil Co.
of California, San Francisco, California
are two of the largest oil companies in the U.S. They
are owned by the same people.

Additional Report on Triphenyltin

March 1, 1968 (Received March 14, 1968)

Patients with chronic granulomatous disease have
had their life spans shortened by 10 years. The disease
is usually fatal before age 20. It is a rare disease,
with a prevalence of about 1 in 100,000. It is
characterized by recurrent infections and by the
absence of normal lymphocytes. The disease is
severe and progressive, with a median life expectancy
of 10 years. The disease is characterized by fever, pain, and
swelling of the joints. The disease is diagnosed by a detailed history and physical examination, and by a bone
marrow biopsy. The disease is treated with antibiotics, corticosteroids,
and immunosuppressive agents.

1/1

MARDAROWICZ, Czeslaw.

MARDAROWICZ, Czeslaw; JABLONSKI, Leon

Characteristic features of β -hemolytic Staphylococcus aureus isolated from children & adults. Pediat. polska 32 no. 12:1345-1352 Dec 57.

1. Z Katedry Mikrobiologii Lekarskiej A. M. w Lublinie. Kierownik:
prof. J. Parnas.

(MICROCOCCUS PYOGENES
aureus, β -hemolytic (Pol))

MARDAROWICZ, Czeslaw, (Inblin, Lubartowska 85 Zaklad Mikrobiologii A. M.)

Epidemic of paratyphoid fever at the State Machine Center P: clinical data. Polski tygod. lek. 12 no.21:798-800 20 May 57.

1. Z Zakladu Mikrobiologii Akademii Medycznej w Lublinie; kierownik: prof. dr. J. Parnas i z Kliniki Chorob Zakaznych Akademii Medycznej w Lublinie; p. o. kierownika: dr med. J. E. Kucharski.

(PARATYPHOID FEVERS, epidemiology,
in Poland (Pol))

RUMANIA

MARDARI, L., Colonel, Medical Corps; CONSTANTINESCU, Gh., Medical Corps; ILIE, Al., Major, Medical Corps; IOFCEA, T., Lieutenant Colonel, Medical Corps; and NITULESCU, M., Medical Corps.

"Consideration on a Case of Submucous Gastric Lipoma"

Bucharest, Revista Sanitara Militara, Vol 62, No. 6, Nov-Dec 66 p. 1011-1014

Abstract: Brief case report on case in woman aged 54: a tumor was diagnosed roentgenologically and excised, with uneventful recovery. The condition is rare. 4 roentgenograms, 2 photographs of surgical specimen. 1 Bulgarian, 4 Rumanian, 6 Western references. Manuscript received 7 Apr 66.

MARDAROWICZ, Czeslaw

Analysis of causative factors in food poisoning in the locality P.
Polski tygod. lek. 11 no.34:1494-1495 20 Aug 56.

1. (Z Zakladu Mikrobiologii Akademii Medycznej w Lublinie;
kierownik: prof. dr. J. Parnas) Lublin. Zaklad Mikrobiologii A.M.
(FOOD POISONING, epidemiology,
local epidemic in Poland caused by infected ham (Pol))

DUCA, M.; DUCA, Eugenia; BIBERI-MORGIANU, Sanda; MARDARI, Al.; MURGHESCU, Tanta

Specificity of the West-Nile hemagglutinating antigen, extracted
with reagents prepared in the country, in the detection of infec-
tions with arthropod-borne encephalitis viruses of the B group.
Stud. cercet. inframicrobiol. 15 no.1:31-35 '64.

DUCA, M.; DUCA, Eugenia; BIBERI-MORIANU, Sanda; VANCEA, Georgeta;
HANDRACHE, Ludmila; TEODOROVICI, Gr.; POPA, S.; BUZDUGAN, I.;
MARDARI, A.; OANA, C.; DUMITRESCU, D.; IVAN, A.; BUSILA, I.

Immuno-epidemiological research on encephalitis transmitted
by sheep ticks. Stud. cercet. inframicrobiol. 15 no.3:
231-239 '64.

LEUTSKIY, K.M. [Leuts'kyi, K.M.]; FESUN, M.Ya.; MARDAREVICH, M.D.
[Mardarevych, M.D.]; GLEBOVA, V.M. [Hliebova, V.M.]

Content of vitamin A and its fractions in the liver and its
mitochondria following different protein diet. Ukr. biokhim.
zhur. 36 no. 4:574-583 '64. (MIRA 18:12)

1. Nauchno-issledovatel'skaya laboratoriya vitaminov Chernovitskogo gosudarstvennogo universiteta.

L 36006-66 EWT(d)/EWT(m)/EXP(f)/T-2

ACC NR: AP6027330

SOURCE CODE: RU/0018/66/000/001/0003/0006
*29**B*AUTHOR: Mardarescu, Radu; Abaitancei, Dan

ORG: none

TITLE: Graphic methods for determining some kinematic values of the connecting rod system in piston engines

SOURCE: Constructia de masini, no. 1, 1966, 3-6

TOPIC TAGS: piston engine, engine crankshaft, engine component

ABSTRACT: The authors present a method for the graphic determination on the basis of bicentric Brix diagrams of the acceleration and displacement of the piston in the eccentric connecting rod-crankshaft mechanism and of the acceleration of the piston in the central mechanism. Numerical examples of the determinations are given. Orig. art. has: 6 figures and 9 formulas. [Based on authors' Eng. abst.] [JPRS: 36,559]

SUB CODE: 21, 13 / SUBM DATE: none / ORIG REF: 001 / SOV REF: 001
OTH REF: 001Card 1/1 *ML*UDC: 621.43.011:518.4
*0015**0465*

MARDARESCU, R.

The invariant characteristic of internal-combustion engines. p. 3.
METALURGIA SI CONSTRUCTIA DE MASINI. (Ministerul Industriel Metalurgice si
Constructilor de Masini si Asociatia Stiintifica a Ingernerilor si Tehnicilor)
Bucuresti.
Vo. 7, no. 11, Nov. 1955.

SOURCE: East European Acssions List, (EEAL), Library of Congress,
Vol. 5, No. 11, November, 1956.

TODOR, N.; MARDARE, V.V.

Gripper loom. Tekstilna prom 12 no. 5:11-13 '63.

1. "Tesatura", Iash [Iasi], RRR.

VASILESCU, V., dr.; MARDARE, J., dr.; SDROBICI, D., dr.

Grave postoperative denutrition. Presentation of a case after 6 months of treatment. Med. intern. 13 no.11:1581-1586 N '61.

1. Lucrare efectuata in Clinica de boli de nutritie I.M.F. Bucuresti, director: prof. I. Pavel.

(STOMACH NEOPLASMS surgery) (PANCREAS neoplasms)
(GASTRECTOMY complications) (DUODENUM surgery)
(NUTRITION DISORDERS case reports)

NICOLAU, St. S., academician; ATHANASIU, Pierrette; SURDAN, C.; SARATEANU, D.;
SORODOC, G.; ANAGNOSTE, B.; in colaborare cu ILIESCU, C.; RADESCU, R.;
VELCIU, V.; MARDARE, I.

Viral etiology of cardiovascular diseases. VI. Histopathological evidence of rickettsial or pararickettsial infection in thromboangiitis and myocardial infarct. Stud. cercet. inframicrobiol. 13 no.1:19-26 '62.

(THROMBOANGIITIS OBLITERANS virology)
(MYOCARDIAL INFARCT virology)
(CARDIOVASCULAR DISEASES virology)
(RICKETTSIAL DISEASES)

NICOLAU, St.S.; ATHANASIU, Pierrette; with the collaboration of VELCIU, V.;
MARDARE, I.

Viral etiology in cardiovascular afflictions. V. Morphological study
of a myocardial infarction: histological evidence of rickettsial or
pararickettsial infection. Rev. sci. med. 7 no.1/2:105-109 '62.

1. Member of the Academy of the R.P.R.
(MYOCARDIAL INFARCT) (RICKETTSIAL DISEASES)

NICOLAU, St. S., acad.; ATHANASIU, Pierrette; VELCIU, V.; MARDARE, I.

Viral etiology in cardiovascular diseases. V. Morphological study of a myocardiac infarct. Histological evidence of a rickettsial or pararickettsial infection. Studii cerc inframicrobiol 12 no.4:551-556 '61.

1. Institutul de inframicrobiologie al Academiei R.P.R. si Spitalul "Dr. I. Cantacuzino." 2. Membru al Comitetului de redactie si radactor responsabil "Studii si cercetari de inframicrobiologie"(for Nicolau).

+

STRAT, C., prof.; MARDARE, G., dr.

The gastrogram after the use of splanchno-lumbar novocain
block in the operated stomach. Med. intern. 15 no.10:1179-
1184 '63.

1. Lucrare efectuata in Clinica a II-a medicala din Iasi
(director: prof. C. Strat).

(POSTGASTRECTOMY SYNDROMES) (PROCAINE)
(AUTONOMIC NERVE BLOCK) (SPLANCHNIC NERVES)
(LUMBOSACRAL PLEXUS) (STOMACH) (PHYSIOLOGY)

STRAT, C., prof.; LUNGU, I., dr.; DRAGAN, Margareta, dr.;
RUSSU, G., dr.; LUNGU, Eugenia, dr.; SOLQMON, M., dr.;
MARDARE, G., dr.; POPESCU, N., dr.; CIMPOES, C., dr.;
SELARU, M., dr.

The value of ornithines-carbamyl-transferase in hepatic diseases
of viral origin. Med. intern. 15 no.6:673-678 Je '63.

1. Lucrare efectuata in Clinica a II-a medicala, Institutul
de medicina si farmacie, Iasi (director: prof. dr. C. Strat).
(HEPATITIS, INFECTIOUS) (HEPATITIS)
(LIVER CIRRHOSIS) (ENZYME TESTS)
(TRANSFERASES)

EXCERPTA MEDICA Sec 15 Vol. 11/7 Chest July 58

5)

MARDARE G.
1643. THE EXISTENCE OF THE PLEURAL FORM OF THE PULMONARY INFILTRATE WITH EOSINOPHILS - Asupra existenței formei pleurale a infiltratului pulmonar cu eozinofile - Bârbuță R., Mardare G. and Haimovici M. Clin. de Ped., Inst. de Med., Iași - REV. MED. -CHIR. 1957, 61/1 (249-252)

A 3-year-old girl had a febrile illness, characterized by transient pulmonary infiltration of the upper right lobe. Blood examination revealed a high percentage of eosinophils. The illness relapsed twice with the same symptomatology - the transient pulmonary infiltration being localized in the right lower lobe or in the left upper lobe. An important pleural participation was noted in all periods and the authors conclude that the existence of the pleural Loeffler's syndrome may be, at the present time, considered as a reality.

Nasta - Bucharest (XV, 5, 6)

MARDARE, Gh.

STPAT, C. Prof.; ZONENREICH, S., Dr.; DRAGAN, M., Dr.; MARDARE, Gh., Dr.

Adrenal cortex hormone therapy of chronic liver diseases. Med. int.,
Bucur. 9 no.7:1089-1094 July 57.

1. Clinica a II-2 medicala, Institutui de medicina, Iasi.

(LIVER DISEASES, therapy

adrenal cortex hormones)

(ADRENAL CORTEX HORMONES, ther. use

liver dis., chronic)

CHISLEAG, Gh., conf.; MARDARE, D., dr.

Protection of children against the action of ionizing radiations.
Pediatria (Bucur.) 13 no.5:465-473 5-0 '64

1. Lucrare efectuata in Clinica de radiologie, Iasi.

MARDARE, C.

COUNTRY	MARSHALIA
CATEGORY	Plant Diseases. Cultivated Plants.
ABD. JOUR.	RZhSiol., No. 3, 1959, No. 11303
AUTHOR	Baltatu, Gh., Papis, Dr., Malcovici, Vas., Mardare, G.,*)
INST.	Khushab School of Wine Making.
TITLE	Results of Combating the Mildew of Grape Plants with the Aid of the Preparations T ₃ and T ₅ in the Spring of 1959.
ORIG. PUB.	Armenian Agric. Ministr. Inst. agron. Iasi. Bucharest, 1959, 131-140
ABSTRACT	The results of three-year tests have shown that the fungicidal effect of the preparations T ₃ (thiodiaz) and T ₅ is of short duration. They are easily washed off by rains and are decomposed under the influence of the sun and air. They are not suitable for the control of mildew. The work was carried out at the School of Wine Making in Khushab.
CARD: 2/1	
*) Peclifara, Gh.	

MARDARE, AL.

ROMANIA/Farm Animals. Sheep and Goats.

Als Jour: Ref Zbur-Sicol., No 17, 1958, 70763.

Author : Jitaru, P.; Dimitrov, N.; Bratianu, S;
Zamfirescu, N.; Jitaru, M.; Boileanu, I.;
Agrigorescu, G.; Daica, V.; Mardare, Al.;
Popescu, Ch.

Inst : Romanian Academy.

Title : Results of Stimulation of Metabolism in Grey Sheep.

Orig Pub: Comun. Acad. RPR, 1957, 7, No 2, 233-242.

Abstract: For purposes of stimulating catabolism, corn
and oats, iodized to Zamfirescu method, were
introduced into the ration of 11 pregnant grey
sheep, (7.27 g of iodine daily). This caused
an increase of the intensity of metabolism, an

Card : 1/2

Increase of weight and a concentration of restored
glutathione in the blood. Lambs from the tested
sheep differed from lambs of the control group (10
grey sheep) by more intense pigmentation, with a
higher live weight, more intense growth and higher
viability. In the control group, 30% of the lambs
were albinos and they were subsequently affected
with trypanitis. There were no such lambs in the
group tested. -- Ye. M. Berkovich.

Card : 2/2

KALLISTOV, O.V.; MARDANYAN, S.S.; GRIGORYAN, G.L.

Light scattering and viscosity of solutions of poly-o-carboxyphenyl methacrylamide in chloroform. Vysokom. soed. 7 no.1:92-100
Ja '65. (MIRA 18:5)

1. Institut vysokomolekulyarnykh soyedinineniy AN SSSR.

Mardanyan, N.

Stone Industry

Stone-cutting plant. Znan.sila 22 No. 9, 1952

Monthly List of Russian Accessions, Library of Congress, December 1952. Unclassified.

VOLKOV, S.I., kand. tekhn. nauk [deceased]; GORODETSKIY, I.Ye., doktor tekhn. nauk, prof. [deceased]; GOROSHKIN, A.K., inzh.; DOSCHATOV, V.V., inzh.; ZAMALIN, V.S., inzh.; KEDROV, S.M., kand. tekhn. nauk; MALOV, A.N., kand. tekhn.nauk, prof.; MARDANYAN, M.Ye., inzh.; PANCHENKO, K.P., kand. tekhn. nauk; ROZHDESTVENSKIY, L.A., kand. tekhn. nauk; SEKRETEV, D.M., inzh.; SYROVATCHENKO, P.V., kand. tekhn. nauk; TAURIT, G.E., inzh.; EL'YASHEVA, M.A., kand. tekhn. nauk; YAKUSHEV, A.I., doktor tekhn.nauk, prof.; KOVAN, V.M., doktor tekhn.nauk, prof., red. [deceased]; SERGEYEV, V.M., inzh., red. izd-va; CHERNOVA, Z.I., tekhn. red.; EL'KIND, V.D., tekhn. red.

[Handbook for the mechanical engineer] Spravochnik tekhnologa-mashinostroitelia; v dvuikh tomakh. Glav. red. V.M.Kovana. Moskva, Mashgiz. Vol.2. 1963. 912 p. (MIRA 16:7)
(Machinery--Design and construction)

MARDANYAN, M.Ye., laureat Stalinskoy premii; GONCHAROVA, S.L., red.;
LUK'YANOV, A.K., red.; KOVAL'SKAYA, I.F., tekhn. red.;
VIKTOROVA, Z.N., tekhn. red.

[Characteristics of the manufacture of machine tools by certain
swiss companies] Osobennosti proizvodstva stankov nekotorykh
shveitsarskikh firm; obzor. Moskva, TsENTIMASH, 1961. 46 p.

(MIRA 16:6)

(Switzerland—Machine-tool industry)

MALOV, A.N., kand.tekhn.nauk; BABKIN, S.I., kand.tekhn.nauk; VOLKOV, S.I.,
kand.tekhn.nauk; GORODETSKIY, I.Ye., prof., doktor tekhn.nauk;
GOROSEKIN, A.K., inzh.; DOSCHATOV, V.V., kand.tekhn.nauk; ZAMALIN,
V.S., inzh.; ISAYEV, A.I., prof., doktor tekhn.nauk; KEDROV, S.M.,
kand.tekhn.nauk; MARDANYAN, M.Ye., inzh.; PANCHENKO, K.P., kand.
tekhn.nauk; SEKRETEV, D.M., inzh.; STAYEV, K.P., kand.tekhn.nauk;
STROVATCHENKO, P.V., inzh.; TAURIT, G.E., inzh.; EL'YASHEVA, M.A.,
kand.tekhn.nauk; KOVAN, V.M., prof., doktor tekhn.nauk, glavnnyy red.;
MARKUS, M.Ye., inzh., red. [deceased]; SOKOLOVA, T.F., tekhn.red.

[Manual for mechanical engineers; in two volumes] Spravochnik tekhnologa mashinostroitelia; v dvukh tomakh. Glav.red. V.M.Kovan. Chleny
red.soveta B.S.Balekshin i dr. Moskva, Gos.nauchno-tekhn.izd-vo
mashinostroit.lit-ry. Vol.2. Pod red. A.N.Malova. 1959. 584 p.
(MIRA 12:11)

(Mechanical engineering)

KOSTOUSHOV, A.I.; BRITSKO, K.M.; VOLODIN, Ye.I.; GRECHUKHIN, A.I.; DEGTYARENKO, N.S.; DOBROSKOK, A.N.; MARDANIYAN, M.Ye.; NAYDEHOV, I.A.; PROKOPOVICH, A.Ye.; TELYATNIKOV, L.P.; USPENSKIY, Ya.K.; KHLINOV, V.N.; PERL'SHTEYN, Ye.A., nauchnyy red.; YEVSEVICHEV, V.I., red.; BUDOVA, L.G., tekhn.red.; NADEINSKAYA, A.A., tekhn.red.

[Machine-tool manufacture in Japan] Japonskoe stankostroenie.
Pod obshchel red. A.E.Prokopovicha i M.E.Mardaniana. Moskva, TSentr.
biuro tekhn.informatsii, 1959. 461 p. (MIRA 13:9)

1. Moscow (Province) Oblastnoy sovet narodnogo khozyaystva.
(Japan--Machine tool industry)

MARDANOV, V.

Sectional capron faucet. Zhil.-kom. khoz. 10 no.8:30 '60.
(MIRA 13:9)

1. Nachal'nik tekhnicheskogo otdela Lenzhilupravleniya, g.
Leningrad.

(Faucets) (Nylon)

MARDANOV V

MARDANOV, V.; ULANOV, V.

Watering carts and street sweepers for cleaning sidewalks and yards. Zhil.-komm.khoz. 8 no.1:23-24 '58. (MIRA 11:1)

1. Nachal'nik tekhn.otdela Lenzhilupravleniya (for Mardanov)
2. Glavnnyy konstruktor tsekhov novoy tekhniki Liteyno-mekhanicheskogo zavoda Lenzhilupravleniya (for Ulanov)
(Street cleaning)

MANDANOV, V.V., inzh.; ULANOV, R.N., inzh.

Mechanization of cleaning of apartment-house premises in Leningrad. Gor.
khoz. Mosk. 31 no.5:27-29 My '57. (MIRA 12:3)
(Leningrad--Street cleaning machinery)

MARDANOV, V.; ULANOV, R.

Universal machine for the apartment house managements. Zhil.-kom. khoz.
7 no. 5:12-13 '57. (MLRA 10:6)

1. Nachal'nik tekhnicheskogo otdela Leningradskogo zhilishchnogo up-
ravleniya (for Mardanov). 2. Starshiy inzhener nauchno-issledovatel'-
skogo instituta organizatsii i mekhanizatsii stroitel'stva. (for
Ulanov).

(Motortrucks)

MARDANOV, M.A.; SULTANOV, S.A.; NARODITSKAYA, S.G.

Hydrogenation of white fractions of Siazan' oil. Azerb. khim.
zhur. no.3:16-21 '65. (MIRA 19:1)

1. Institut neftekhimicheskikh protsessov AN AzerSSR.

L 62780-65

ACCESSION NR: AP5013766

ENCLOSURE: 01 O

Table 1. Experimental results

Hydroperoxides of	Quantity of additive, wt.-%	Cetane numbers of diesel fuels with additives	
		Summer diesel oil with cetane number of 46	Winter diesel oil with cetane number of 43
Isopropylbenzene	0.5	49.0	45.7
	1.0	51.0	49.1
	1.5	52.0	49.9
Di-isopropylbenzene	0.5	49.3	46.0
	1.0	51.0	48.0
	1.5	52.6	48.7
Triisopropylbenzene	0.5	—	—
	1.0	—	44.5
	1.5	49.4	45.8
Technical polyalkyl- benzene	0.5	—	—
	1.0	—	—
	1.5	51.6	47.8
Metaisopropyltoluene	0.5	49.6	47.0
	1.0	51.0	48.5
	1.5	52.3	49.8
Isopropylxylene	0.5	—	—
	1.0	—	—
	1.5	48.5	46.5

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L 62780-65

ACCESSION NR: AF5013766

Enclosure, show that: 1) an increase in the number of methyl and isopropyl groups in an alkylbenzene molecule considerably prolongs the oxidation process; 2) hydroperoxides of diisopropylbenzene, technical polyalkylbenzene, and metaisopropyltoluene are among the more effective additives for raising the cetane number of diesel fuels and can serve as raw material for the manufacture of organic compounds including alkylphenols and ketones; and 3) hydroperoxides of triisopropylbenzene and isopropylcylene with three alkyl groups in the molecule are ineffective and cannot be used as additives for improving the motor properties of diesel fuels.
Orig. art. has: 5 tables.

ASSOCIATION: none

SUBMITTED: 22 May 64

ENCL: 01

SUB CODE: GC

NO REF Sov: 003

OTHER: 001

Card 2/3

L 62780-55 EWT(m)/EPF(c)/I Pr-4 WE/JAJ/RM
ACCESSION NR: AF5013766

UR/0316/65/000/001/0003/0008

24

6

AUTHOR: Mardanov, M. A.; Veliyev, K. G.; Markhaseva, S. M.; Sametova, S. G.

TITLE: Synthesis and use of alkyl aromatic hydroperoxides as additives for improving the motor properties of diesel fuels

SOURCE: Azerbaydzhanskiy khimicheskiy zhurnal, no. 1, 1965, 3-8

TOPIC TAGS: isopropylbenzene hydroperoxide, diisopropylbenzene hydroperoxide, triisopropylbenzene hydroperoxide, polyalkylbenzene hydroperoxide, metaisopropyltoluene hydroperoxide, isopropyliylene hydroperoxide, cetane number, diesel fuel, motor property, alkyl aromatic hydroperoxide, additive, synthesis

ABSTRACT: The effect of the number of methyl and isopropyl groups in alkyl aromatic hydrocarbons on the oxidation efficiency, as well as the effect of hydroperoxides produced by the oxidation of the alkyl aromatic hydrocarbons, on the motor properties of diesel fuels has been studied. Hydroperoxides of diisopropylbenzyl, triisopropylbenzyl, technical polyalkylbenzene, metaisopropyltoluene, and isopropyliylene were synthesized at 110°C by oxidizing the alkyl aromatic hydrocarbons with atmospheric oxygen. The experimental results given in Table 1 of the

Card 1/3

INDYUKOV, N.M.; SIDORCHUK, I.I.; MARDANOV, M.A., red.

[Low-molecular aromatic hydrocarbons from petroleum
crudes] Nizkomolekuliarnye aromaticheskie uglevodocropy
iz neftianogo syr'ia. Baku, Azerneshr, 1964. 169 p.
(MIRA 18:2)

MARDANOV, M.A.; ALEKPEROV, G.Z.; ISMAYLOVA, L.G.

Effect of tar substances on the thermal stability of motor fuels.
Azerb. neft. khoz. 42 no.1:34-36 Ja '63. (MIRA 16:10)

(Motor fuels—Thermal properties) (Tar)

MARDANOV, M.A.; AKHMEDOV, M.N.; SULTANOV, S.A.; ISMAYLOVA, L.G.

Development of the technology of the continuous refining of
petroleum distillates by means of sulfuric acid. Khim.i
tekh.topl.i masel 8 no.8:32-33 Ag '63. (MIRA 16:9)

1. Institut neftekhimicheskikh protsessov AN AzerSSR.
(Petroleum—Refining) (Sulfuric acid)

MARDANOV, N.A.; ALEXPEROV, G.Z.

Using spent sulfuric acid for purifying bright petroleum dis-
tillates. Azerb.neft.khoz. 41 no.4:37-39 Ap '62. (MIRA 16:2)
(Petroleum products) (Sulfuric acid)

Study of a mixture of Baku...

S/081/62/000/024/002/052
B108/B186

crude oil have a CR of 49 - 51, but they have an exceptionally high freezing point. The crude oils of this deposit must therefore be processed in a mixture with other paraffin-based oils from the Baku area with low freezing points. [Abstracter's note: Complete translation.]

Card 2/2

S/081/62/000/024/002/052
B108/B186

AUTHORS: Veliyev, K. G., Mardanov, M. A., Makhmudbekova, M. I.
TITLE: Study of a mixture of Baku paraffin-based crude oils for the production of high-grade diesel fuels
PERIODICAL: Referativnyy zhurnal. Khimiya, no. 24, 1962, 714, abstract 24M130 (Azerb. neft. kh-vo, no. 6, 1962, 37 - 39)

TEXT: In order to consider the possibility of producing high-grade diesel fuels, an investigation was made of a mixture of Baku paraffin-based crude oils containing (per cent): Bibieybat type paraffin-based crude oil, 17; Karachukhur type, lower fraction, 11.6; Artem island, paraffin-based, 11.2; Kalin type, higher fraction 10.8, lower fraction 12.6; Gousanin, type 2.8; Peschaniy island 34.0. The physicochemical and service properties of the fuels obtained were studied. The results of this investigation show that the above mixture is suitable for the production of high-grade aircraft diesel fuel with a cetane rating (CR) of 48, which satisfies the present and prospective All-Union State Standard. The yield from the crude oil is 49 - 50%. Special fuels too can be obtained by additional refining and deparaffination of the oils. The fuels produced from Peschaniy island

Card 1/2

Study of the oil and fuel...

S/081/62/000/024/005/052
B108/B186

to 50%) and are marked by their low octane rating (35 - 37); this does not depend on the raw material and the catalysts used. Kerosene fractions of good quality were produced by hydrogenizing diesel fuel raffinates over WS₂. The diesel fuels thus obtained meet all requirements demanded of winter fuels. As regards their cetane rating, they are far superior to the winter diesel fuels refined from Baku crude oil. [Abstracter's note: Complete translation.]

Card 2/2

s/081/62/000/024/005/052
B108/B186

AUTHORS: Mardanov, M. A., Kulihev, R. Sh., Markhaseva, S. M.,
Sadykhova, B. A., Alekperova, N. G.

TITLE: Study of the oil and fuel fractions obtained by hydrogenation
of diesel-oil distillates and raffinates

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 24, 1962, 718, abstract
24M162 (Azerb. khim. zh., no. 2, 1962, 25 - 30 [summary in
Azerb.])

TEXT: For the purpose of producing high-quality motor oils, diesel fuels,
kerosene and gasoline fractions, the distillate of D-11 (D-11) diesel oil
was subjected to deep hydrogenation over a WS₂ catalyst, and the raffinate
of the same oil over a WS₂ and an Al-Co-Mo catalyst. It is shown that light
motor oils with a viscosity index of the order of 85 - 90 can be produced
from the hydrogenates obtained. The best of these is the oil produced by
hydrogenation over WS₂. The gasoline fractions extracted from the
hydrogenates contain a considerable quantity of paraffinic hydrocarbons (up
Card 1/2

65—
Destructive hydrogenation of the gas ... S/081/62/000/018/033/059
B156/B160

60 optimum conditions. The paraffinic hydrocarbon content of the hydrogenate rises noticeably, and, moreover, 20-26% of the naphthalene rings are opened up as a result of the destructive hydrogenation.
[Abstracter's note: Complete translation.]

45
50
55
60 Card 2/2

41366
S/081/62/000/018/033/059
B158/B180

53300

AUTHORS: Sultanov, S. A., Naroditskaya, L. G., Mardanov, M. A.,
Ozerova, Yu. F., Mustafayeva, Z. B.

TITLE: Destructive hydrogenation of the gas oil fraction of
petroleums

PERIODICAL: Referativnyj zhurnal. Khimiya, no. 18, 1962, 44; abstract
18M132 (Azerb. neft. kh-vo, no. 1, 1962, 39-40)

TEXT: The gas oil fraction of Balakhano heavy oil containing 45.2% aromatics, was used in a study of the destructive hydrogenation of gas oil fractions which contain large quantities of aromatic hydrocarbons and do not have satisfactory qualities as fuels. The hydrogenation was carried out at 350-400°C, a pressure of 200 atm., and a volumetric crude oil feed rate of 0.5-1.5, in the presence of the industrial catalyst WS₂. The kerosene-gas oil fraction of petroleum from the Neftyanyye Kamni field underwent destructive hydrogenation under the same conditions. It was found that the fuel qualities of the crude can be improved under these

Card 1/2

MARKHASEVA, S.M.; MARDANOV, M.A.; VELIEYEV, K.G.; BIZYAYEVA, N.P.

Nitration of the fraction of propylene tetramers by nitric acid. Azerb. khim. zhur. no.3:19-26 '62. (MIRA 16:12)

MARDANOV, M.A.; VELIYEV, K.G.; ZEYNALOVA, L.M.

Study of fuel fractions of oil from the Buzovny field. Azerb.
neft. khoz. 40 no.10:34-37 O '61. (MIRA 15:3)
(Apsheron Peninsula--Petroleum as fuel)

Improvement in the quality ...

S/081/62/000/008/038/057
B156/B101

hydrogenized. [Abstracter's note: Complete translation.]

X

Card 2/2

36655
S/081/62/000/008/036/057
B156/B101

11.01.40

AUTHORS: Mardanov, M. A., Sultanov, S. A., Naroditskaya, S. G.

TITLE: Improvement in the quality of diesel fuels, and expansion of reserves

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 8, 1962, 476, abstract 8M134 (Azerb. neft. kh-vo, no. 9, 1961, 31-32)

TEXT: Straight-run (winter and summer) diesel fuels (DF), products of secondary origin such as light gas oil and polymer gas oil from catalytic cracking, and also thermal cracking refluxes, were hydrogenized in a continuous flow plant at 325°C and an H₂ pressure of 200 atm, over a WS₂

catalyst at a volumetric flow rate of 0.5 hours⁻¹; the purpose was to improve the quality of DF produced in Baku refineries and to expand the reserves of these fuels. It was established that, under the conditions described, the cetane number of the DF can be raised by 8-9 points by hydrogenizing straight-run fuels, without deterioration of their other qualities. High-grade DF components are produced when light gas oil, polymer gas oil from catalytic cracking, and thermal cracking reflux are

Card 1/2 ✓

MARDANOV, M.A.; SULTANOV, S.A.

Isomerization of paraffin hydrocarbons. Azerb.neft.khoz. 40
no.8:37-39 Ag '61. (MIRA 15:2)
(Paraffins) (Isomerization)

110171
S/081/62/000/004/068/087
B138/B110

AUTHORS: Mardanov, M. A., Belyiyev, K. G., Molotkova, V. K.

TITLE: Improving diesel fuel by the use of additives

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 4, 1962, 481, abstract
4M172 (Azerb. neft. kh-vo, no. 6, 1961, 35-37)

TEXT: A technology has been developed for the production of diesel fuel additive on the basis of the high-molecular products of thermal cracking. Its physical and chemical properties have been determined. An addition of 2 % of this additive to Baku diesel fuels will raise the cetane number from 44 to 48, without deterioration of the basic qualities of the fuel. The additive is quite stable; in the course of ten months no drop in cetane number is observed. Tests carried out on a 1-4 (1-Ch) motor by the method developed by INKhP AS Azerbaydzhanskaya SSR have shown that the additive causes no wear of components of the piston group and does not increase carbon deposition. The production process for this additive is not complicated and may be introduced in one of the plants of the "Azneftekhimzavody" administration. [Abstracter's note: Complete translation.]

Card 1/1

34889

5/061/62/00C/003/069/090
B149/s101

11.0120

AUTHORS: Mardenov, L. A., Markhasova, S. M., Samedova, S. G.

TITLE: Separation of aromatic hydrocarbons from petroleum fractions
by selective solvents

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 3, 1962, 488, abstract
3M178 (Azerb. khim. zh., no. 3, 1961, 25 - 31)

TEXT: Fuel fractions of the heavy Baku petroleum were dearomatized in a laboratory unit. Phenol with addition of 3% water was used as a selective solvent. The temperature during the experiment was 30°C. The optimum ratio of the phenol/fuel fraction was 2.5:1. It was shown that phenol removed 69 - 99.0% of the aromatic hydrocarbons from the fuel fractions, but it also removed the naphthene hydrocarbons. The separated aromatic hydrocarbons consist not only of light but also of medium and heavy hydrocarbons, which after catalytic conversion into low molecular compounds, may be used as raw chemicals. The dearomatized fractions are high-grade fuels for internal combustion engines. [Abstracter's note: Complete translation.]

Card 1/1

MARDANOV, M.A.; MARKHASEVA, S.M.; VELIYEV, K.G.; GOGEL'GANS, R.G.;
BIZYAYEVA, N.P.

Fire and explosion hazards of certain aliphatic nitro compounds.
Azerb.khim.zhur. no.1:5-10 '61. (MIRA 14:8)
(Nitro compounds) (Fire prevention)

MARDANOV, M.A.; ALEKPEROV, G.Z.

Temperature conditions for maximum precipitation in various
fractions of fuel. Azerb. neft. knoz. 39 no.12:38-39 D '60.
(MIRA 14:9)

(Petroleum -Refining)

MARDANOV, M.A.; NARODITSKAYA, S.G.; SULTANOV, S.A.

Hydrogenation of kerosene fractions of straight-run distillates of
certain Azerbaijan pertoleums. Azerb. neft. khoz. 39 no.10:38-40
O '60. (MIRA 13:11)
(Azerbaijan--Kerosene)

SULTANOV, S.A ; MARDANOV, M.A.

Synthesis of dialkylbenzenes in a fluidized catalys bed. Azerb.
neft. khoz. 39 no.5:33-34 Ky '60.
(Catalysts) (MIRA 13:10)

29411
S/081/t1/000/017/134/166
B117/B102

11.0140 also 3019

AUTHORS: Mardanov, M. A., Sultanov, S. A., Naroditskaya, S. G.

TITLE: Refinement of kerosene fractions obtained by direct distillation of Azerbaijani petroleum

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 17, 1961, 466, abstract 17M162 (Azerb. khim. zh., no. 6, 1960, 45-49)

TEXT: Hydrogenation of kerosene fractions of Kergez and Mazanka petroleums containing 25.4 and 42.7% of aromatics, respectively, has demonstrated that Diesel-fuel resources can be increased substantially by refining kerosene fractions of highly aromatized Azerbaijani petroleum. Refinement is carried out at a temperature of 180°C and at an H₂ pressure of 50 - 100 atm, using commercial nickel on a kieselguhr catalyst.
[Abstracter's note: Complete translation.]

44

Card 1/1

Hydrogenetic refining of...

30649
S/081/61/000/020/082/089
B110/B147

per hr referred to the catalyst volume. By hydrogenation of the unsaturated hydrocarbons of the kerosene gasoil fractions of thermal and catalytic cracking, it was possible to increase their efficiency and cetane number.
[Abstracter's note: Complete translation.] X

Card 2/2

30649

S/08/61/000/020/082/089
B10/B147

// O/30

AUTHORS: Mardanov, M. A., Sultanov, S. A., Naroditskaya, S. G.

TITLE: Hydrogenative refining of secondary kerosene gasoil fractions

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 20, 1961, 405, abstract
20M101 (Azerb. khim. zh., no. 5, 1960, 3-8)

TEXT: Products of the catalytic cracking of light gasoil, polymer gasoil, petroleum, of the kerosene fraction of mild thermal cracking of mazout were refined in the stationary system (in an autoclave) as well as on a counterflow hydrogenation plant, using industrial nickel catalysts on kieselguhr and tungsten sulfide. It was shown that after hydrogenative refining secondary products are intensively hydrogenated on nickel catalysts, at 180°C and 50-100 atm, and that the amount of by-products is insignificant. Hydrogenation on tungsten sulfide takes place in one stage. Owing to the more rigorous reaction conditions, the formation of by-products is much more intense. Optimum hydrogenation conditions are as follows: 325°C, 200 atm, and a volume rate of 0.5 of raw material feed

Card 1/2

MARDANOV, M.A.; KULIYEV, R.Sh.; MARKHASEVA, S.M.; VELIYEV, K.G.;
ALEKPEROVA, N.G.

Study of fuel fractions obtained in the hydrofining of oil
fractions. Azerb.khim.sher. no.4:11-16 '60. (MIRA 14:8)
(Petroleum--Refining) (Petroleum as fuel)

SULTANOV, S.A.; MARDANOV, M.A.; NARODITSKAYA, S.G.

Evaluation of the hydrogenation refining of kerosine fractions
on various catalysts. Azerb.khim.zhur. no.3:25-29 '60.

(MIRA 14:8)

(Petroleum--Refining) (Hydrogenation)

MARDANOV, M.A.; SULTANOV, S.A.

Catalytic conversion of hydrocarbons of the kerosine
fraction [in Azerbaijani with summary in Russian]. Azerb.
khim. zhur. no.2:47-52 '60. (MIRA 14:8)
(Hydrocarbons) (Catalysis)

KULIYEV, A.M.; MARDANOV, M.A.; ALEKPEROV, G.Z.

Thermal stability of motor fuels. Azerb. neft. khoz. 38 no.9:34-37
S '59. (MIRA 13:2)
(Motor fuels)

MARDANOV, M.A.; VELIYEV, K.G.; ALIYEVA, R.B.

Hydrocarbon composition of fuels obtained from Neftyanye Kamni oils.
Azerb.neft.khoz. 38 no.4:35-36 Ap '59. (MIRA 12:7)
(Neftyanye Kamni region--Petroleum as fuel--Analysis)

KULIYEV, A.M.; MARDANOV, M.A.; ALEKPEROV, G.Z.

New apparatus for determining the thermal stability of motor
fuels. Azerb.khim.zhur. no.6:27-32 '59. (MIRA 14:9)
(Motor fuels)

MARDANOV, M.A.; MARKHASEVA, S.M.; BIZYAYEVA, N.P.

Determination of the thermal stability of fuel fractions by
means of ultraviolet radiation. Azerb. khim. zhur. no.4:27-31
'59. (MIR: 14:9)

(Fuel—Thermal properties)

MARDANOV, M.A.; VELIYEV, K.G.; ALIYEV, R.G.

Hydrocarbon composition of the diesel fuel fraction obtained from
the petroleum of the Neftyaneye Kamni region [in Azerbaijani with
summary in Russian]. Azerb. neft. khoz. 37 11:38-39 N '58.

(MIEA 12:3)

(Neftyaneye Kamni--Diesel fuels)

SULTANOV, S.A.; MARDANOV, M.A.

Using aluminosilicate catalysts with various promoters in the
reaction of benzene dialkylation. Azerb.neft.khoz. 37 no.10:
32-33 O '58. (MIRA 12:2)
(Benzene) (Aluminosilicates) (Alkylation)

MARDANOV, M.A.

SULTANOV, S.A.; MARDANOV, M.A.; VELIYEV, K.G.; MARKHASEVA, S.M.

Oxidation of isopropylene benzene obtained in the presence of
aluminosilicate catalysts [in Azerbaijani with summary in Russian]
Azerb.neft.khoz. 36 no.7:34-36 Je '57. (MIRA 10:10)
` (Oxidation) (Benzene) (Aluminosilicates)

MARDANOV, M.A.

Using magnesium nitride for quantitative determination of
moisture in olefins [in Azerbaijani with summary in Russian]
Azerb.neft.khoz. 36 no.1:27-28 Ja '57. (MLKA 10:5)
(Olefins) (Magnesium nitride)

MARDANOV, I.E.

Geomorphological conditions governing the formation of runoff
in the Damiraparanchay basin. Izv. AN Azerb. SSR. Ser. geol.-
geog. nauk no.1:95-102 '64. (MIRA 18:6)

Country :
Category : CULTIVATED PLANTS, POTATOES
Abs. Jour. : REF ZHUR-BIOL., 21, 1958, NO. 36005
Author :
Institut. :
Title :

Orig. Dim. :

Abstract : increased, the sugar and vitamin C content was raised, while that of organic acids was lowered. Mn and B proved most effective. --Ye.A. Okorokova

Card: 2/2

BUDAGOV, B.A.; MARDANOV, I.B.

General geomorphological conditions in the Shinchay Valley;
mudflow of August 6, 1962. Izv. AN Azerb. SSR, Ser. geol.-
geog. nauk i nefti no. 6:3-11 '63. (MJRA 18:3)

MARDANOV, E. E.

Country : USSR
Category : CULTIVATED PLANTS. POTATOES, Vegetables. Cucurbits.
Abs. Jour. : RIF ZHURN-BIOL.ZH. 1955, No. 3, p. 5

Author : Abutelybov, M.Ch.; Marganov, E.I.
Institut. : Azerbaydzhan Univ.
Title : The Effect of Micronutrients in Vegetative Pots
on the Development of the Tomato Plant

Orig. Pub. : Uch. zap. Azerb. un-t, 1957, No. 8, 65-73

Abstract : Mn, Cu, Zn in the form of sulfates and B in the
form of borax were added to the composition of
nutrient pots at the experimental base of Kusar-
chavskaya Zonal Experimental Station of Vegetable
Raising (Azerbaijan) in 1954-1955. Krasnodarets
and Chudo Rynka tomato variety sprouts were grown.
The micronutrients facilitated better growth in
the seedlings and the accumulation of plant dry
matter. B and Mn quickened flowering, Cu slowed
it up somewhat. The average weight of the fruit

Card: 1/2

MARDANOV A.I.

I-2

USSR/Physiology of Plants - Respiration and Metabolism.

Abs Jour : Ref Zhur - Biol., No 3, 1958, 10389

Author : Abutalybov, M.G., Bunyatov, I.M., Mardanov, A.I.

Inst : Azerbaidzhan University

Title : The Significance of Zinc in Oxidation-Reduction Processes
in the Growing Organism.

Orig Pub : Uch. zap. Azerb. un-t, 1956, No 12, 77-83

Abstract : Zinc exerts a positive effect on polyphenoloxidase activity (in cotton and potato leaves) and catalase activity (in potato leaves and tubers); the effect is greater when zinc is applied before sowing (20 g. ZnSO₄ for 85 kg. of seed) than when the plants are sprayed outside the roots (with a 0.05% solution). Under the influence of Zn the iodine-reducing capacity of the cotton leaves was increased. The content of organic acids and sugars decreased

Card 1/2

MARDANOV, A.A., Cand Bio Sci --(diss) "Effect of microelements on certain physiological processes, growth, development and yield of tomato^{of} and potato^{of} ~~exce~~." Baku, 1953. 24 pp (Min of Higher Education USSR. Azerb State Univ im S.N.Kirov). 120 copies (KL, 20-58, 95)

USSR/Cultivated Plants - Potatoes. Vegetables. Melons.

M

Abs Jour : Ref Zhur Biol., No 12, 1958, 53609

Author : Mardany

Inst : AS Azerbaydzhan SSR

Title : Use of Micronutrients in the Summer Plantings of Potatoes

Orig Pub : Dokl. AN AzerbSSR, 1957, 13, № 9, 997-1001

Abstract : In the experiments of the Kusarchaysk Zonal Station during 1954-1956, borax and sulfates of Zn, Mn and Cu were used in different doses as micro-fertilizers and as plant spray (cu 8 kg/ha, Zn 2 kg/ha) during application before the planting and before blossoming. In spraying, the best concentrations of all micronutrients was 0.1%. Mn (15 kg/ha) produced the best results when introduced before planting. Cu (8 kg/ha) produced the best results during late phases in the form of root

Card 1/2

- 35 -

USSR/Cultivated Plants - Potatoes. Vegetables. Melons.

M

Abs Jour : Ref Zhur Biol., No 12, 1958, 53609

dressing and side dressing. The greatest increase in the tuber starch content was obtained by applying Cu and Zn (2 kg/ha). -- I.N. Zaikina

Card 2/2

ABUTALIBOV, M.G.; MARDANOV, A.A.

Effect of trace elements on the development of tomato plants in
humus pots [in Azerbaijani with summary in Russian]. Uch.zap.AGU
no.8:65-73 '57. (MIRA 11:11)

(Tomatoes--Fertilizers and manures)
(Plants, Effect of minerals on)

Country : USSR
CATEGORY :

K-5

ABs. JOUR. : R2Biol., No. 1958, No. 97053

AUTHCR :
INST. :
TITLE :

ORIG. PUB. :

ABSTRACT : Planting: Bn, Cu, B, Zn (on application to potatoes of spring planting). Starch content of potato tubers increased to the greatest extent under the influence of Cu and Zn (from 11.8% in controls to 14.05% in the experiment variants). Flowering of potatoes after an application of minor elements prior to planting, started 2-3 days earlier. Cu and B delayed flowering. On an increase of tuber yield the weight of the foliage increased to a considerably lesser extent. -- G. N. Chernov.

CARD: 3/3

COUNTRY : USSR

A-5

CATEGORY :

ABSTRACT : RZBiol., No. 19, 1958, No. 87053

AUTHOR :

LIST. :

TITLE :

ORIG. PUB. :

ABSTRACT : ZnSO₄ 2-4 kg/hectare. best concentrations of solutions used to spray potatoes during the stage of bush formation were found to be: borax 0.1%, MnSO₄, CuSO₄, and ZnSO₄ 0.1%. Spraying was done at a rate of 1000 liters per hectare. In the nutrient medium of jets made of compact used to raise tomato seedlings, most effective were the following: borax, and CuSO₄, 20 and 30, MnSO₄ 15 and 60, ZnSO₄ 5 and 10 : g per 1 kg of nutrient medium. Increase in yields reached 20-24% for tomatoes, 30-33% for potatoes. In order of decreasing effectiveness of their action upon the yield the minor elements form the following series: Mn, Cu, Zn, B (on application to potatoes of summer

CARD: 2/3